

10/069704

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IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

**PATENT APPLICATION**

Applicant: **BEERENDS, John Gerard**

Case: **PTT-133(402582US)**

International Application No.: **PCT/EP00/08884**

International Filing Date: **08 September 2000**

Priority Date Claimed: **15 September 1999**

Title: **MEASURING THE PERCEPTUAL QUALITY OF SPEECH SIGNALS  
INCLUDING ECHO DISTURBANCES**

COMMISSIONER FOR PATENTS

**BOX PCT**

Washington, D. C. 20231

S I R:

**DISCLOSURE STATEMENT**

The applicant respectfully requests that the following references be considered in the examination of the above-identified application. A copy of each reference is enclosed. If any of these references were uncovered by an international or foreign search as part of a counterpart application filed by the applicants, then a copy of the search report is also enclosed.

**European Published Patent Applications**

<u>Publication No.</u>	<u>Date Published</u>
AA. 0 719 028 A3	April 28, 1999
AB. 0 719 028 A2	June 26, 1996

## **PCT Published Patent Applications**

<u>Publication No.</u>	<u>Date Published</u>
AC. WO 99/39453	August 5, 1999
AD. WO 99/13596	March 18, 1999
AE. WO 97/15124	April 24, 1997
AF. WO 94/00922	January 6, 1994

## **Publications**

- AG. John G. Beerends et al., "A Perceptual Speech-Quality Measure Based on a Psychoacoustic Sound Representation", J. Audio Eng. Soc., Vol. 42, No. 3, March 1994, pps. 115-123.
- AH. "The E-model, a computational model for use in transmission planning", Series G: Transmission System and Media, Digital Systems and Networks - International telephone connections and circuits - General definitions, ITU-T (Telecommunication Standardization Sector of ITU), G.107, (12/98), 13 pages.
- AI. "Objective quality measurement of telephone-band (300 - 3400 Hz) speech codecs", Series P: Telephone Transmission Quality - Methods for objective and subjective assessment of quality, ITU-T (Telecommunication Standardization Sector of ITU), P.861, (08/96), 17 pages.
- AJ. "In-Service, Non-Intrusive Measurement Device - Voice Service Measurements", Telephone Transmission Quality - Objective Measuring Apparatus, ITU-T (Telecommunication Standardization Sector of ITU), P.561, (02/96), 23 pages.

REMARKS

Under rule 37 C.F.R. 1.98(a) (effective March 16, 1992), since the references are in the English language, the applicant submits that no specific comments are necessary.

The applicant has also attached a completed modified Form PTO/SB08A&B hereto.

Respectfully submitted,

25 February 2002



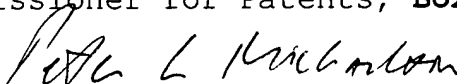
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**\*\*\*EXPRESS MAIL CERTIFICATION\*\*\***

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Signature of person making certification

Peter L. MICHAELSON  
Name of person making certification

(PTT133DCST/81:ca)



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Substitute for form 1449A/PTO

**Complete if Known**

*(use as many sheets as necessary)*

Sheet

1

of

2

Application Number

**Filing Date****First Named Inventor**

BEERENDS, John Gerard

### Group Art Unit

Examiner Name \_\_\_\_\_

Attorney Docket Number

PTT-133 (402582US)

U.S. PATENT DOCUMENTS[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	AA.	EP	0 719 028 A3 /		April 28, 1999		
	AB.	EP	0 719 028 A2 /		June 26, 1996		
	AC.	WO	99/39453 /		August 5, 1999		
	AD.	WO	99/13596 //		March 18, 1999		
	AE.	WO	97/15124		April 24, 1997		
	AF.	WO	94/00922 /		Jan. 6, 1994		
	(copy of International Search Report supplied)						

Examiner  
Signature

Date

	Not Considered	Considered
1. The number of people who are affected by the problem.		
2. The severity of the problem.		
3. The likelihood of the problem occurring.		
4. The cost of the problem.		
5. The time it takes to solve the problem.		
6. The complexity of the problem.		
7. The availability of resources to solve the problem.		
8. The potential for future problems.		
9. The impact of the problem on the organization's reputation.		
10. The impact of the problem on the organization's financial performance.		
11. The impact of the problem on the organization's legal obligations.		
12. The impact of the problem on the organization's ethical standards.		
13. The impact of the problem on the organization's social responsibilities.		
14. The impact of the problem on the organization's environmental sustainability.		
15. The impact of the problem on the organization's overall success.		

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Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	
				Filing Date	
				First Named Inventor	BEERENDS, John Gerard
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	PTT-133 (402582US)

[illegible]

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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